Ontario
Ministry of
Northern Development
and Mines

Mines and
Minerals
Division

Rocks and Minerals Information

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Please discard all previous issues of this publication as they are outdated.

Every possible effort is made to ensure the accuracy of the information contained in this report, but the Ministry of Northern Development and Mines does not assume any liability for errors that may occur.

Corrections or additional listings should be sent to:

Geoscience Information Office
Ontario Geological Survey
Ministry of Northern Development and Mines
8th Floor, 77 Grenville Street
Toronto, Ontario M7A 1W4
(416) 965-0190

Publications of the Mines and Minerals Division, Ministry of Northern Development and Mines, are available from the following sources. Orders for publications should be accompanied by cheque or money order payable to the *Treasurer of Ontario*.

Reports, maps, and price lists (personal shopping or mail order):

Public Information Centre, Ministry of Natural Resources
Room 1640, Whitney Block, Queen's Park
Toronto, Ontario M7A 1W3

Reports and accompanying maps only (personal shopping):

Ontario Government Bookstore
Main Floor, 880 Bay Street
Toronto, Ontario M7A 1N8

Reports and accompanying maps (mail order or telephone orders):

Publications Services Section, Ministry of Government Services
5th Floor, 880 Bay Street
Toronto, Ontario M7A 1N8
Telephone (local calls) 965-6015
Toll-free long distance 1-800-268-7540
Toll-free from Area Code 807 0-ZENITH-67200

Orders for publications should be accompanied by cheque or money order payable to the *Treasurer of Ontario*.

Cover: Gypsum, variety selenite (Faraday Mine); cubanite (Strathcona Mine); sodalite (Bancroft); Lake Superior beach (Marathon).

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The Ministry of Northern Development and Mines

ABOUT ROCKS AND MINERALS INFORMATION

This booklet is published annually by the Ministry of Northern Development and Mines to assist our clients, from mining industry geoscientists to rockhounds and students, in finding convenient sources of information on the rocks and minerals of Ontario. As well as Ministry publications, this booklet identifies reports and maps available through the federal government, brochures and films on mining and metal industry careers, and promotional material from mining companies. It also provides lists of lapidary dealers and geoscience clubs across Ontario.

THE MINES AND MINERALS DIVISION

INTRODUCTION

The Mines and Minerals Division of the Ministry of Northern Development and Mines provides a program of service to the mineral exploration and development industry, the general public, and students through 16 office locations throughout Ontario. Cooperative programs between its two branches, the Ontario Geological Survey and the Mineral Development and Lands Branch, and the Northwestern, Northeastern, and Southern Ontario Regions, ensure that analysis and interpretation of the province's geology is carried out efficiently and a variety of consultative services are provided.

THE ONTARIO GEOLOGICAL SURVEY

The Ontario Geological Survey (OGS) in conjunction with Resident Geologists in the three regions is responsible for collecting, researching, interpreting, and publishing geoscientific information. Areas of research include Precambrian, Paleozoic, and surficial geology, geology and origin of mineral deposits, geophysics, and geochemistry. Publications include coloured final maps, uncoloured preliminary maps, folios of exploration data (GDIFs), quick-release print-on-demand reports (OFRs), and a wide variety of final reports, brochures, and booklets. The OGS and Resident Geologists also provide provincial and local library, assessment work, and laboratory services, and geological advice to the mineral exploration and mining industries.

For further information on services or publications contact: **Geoscience Information Office, Ontario Geological Survey, 8th floor, 77 Grenville St., Toronto, Ontario M7A 1W4**
(416) 965-0190

MINERAL DEVELOPMENT AND LANDS BRANCH

This branch is comprised of five sections, all dealing with a specific aspect of the mineral or mining industries. The Mining Lands Section coordinates the provincial mining lands program which administers the provisions in the Mining Act through the offices of the Mining Recorders. These provisions pertain to the establishment and maintenance of title to mining claims and leases. This section is also involved with mining lands planning and policy development.

The Industrial Minerals Section, in conjunction with the Resident Geologists, investigates and researches existing and new industrial mineral deposits and uses, including nonmetallic minerals (e.g. asbestos, graphite, gypsum, gemstones, salt, talc, etc.), and structural materials (e.g. cement, clay, sand and gravel, etc., and building and ornamental stone such as granite and marble).

The Information and Statistics Section collects, compiles, and publishes exploration, mining, and production information.

The Metallic Minerals Section provides advice on policy, economics, and taxation, and keeps the Ministry informed on industry developments and impacts.

The OMEP Section administers the applications received from industry under the Ontario Mineral Exploration Program which reimburses 25% of approved exploration expenditures to companies which qualify.

REGIONAL OFFICES

The location of the sixteen Resident Geologist's Offices, nine Mining Recorder's Offices, three Regional Mineral Specialists, two Mining Development Coordinators, seven Drill Core Libraries, and the Timiskaming Testing Laboratory, are shown on the adjacent map. These offices are administered by the three regional offices in Kenora, Timmins, and Toronto.

Regionally administered services support the work of the Division and the two branches by providing field work data and local expertise and information. Staff of the Resident Geologist's Offices are available to answer general inquiries and to provide information to the mining industry and public on a wide spectrum of subjects, from the Ontario Government's mineral policies and Ministry services, to background information on mining and geology for school projects. The Mining Recorder's Offices sell prospector's licences, claim tags, the most up-to-date claim maps, and publications which pertain to their area, and answer inqueries about mining leases and acquiring mineral rights and title. They also accept applications to record mining claims and have the responsibility for deciding conflicts between interests claiming title to the same piece of ground. The Drill Core Libraries are each capable of storing up to 160 000 metres of diamond-drill core, providing a permanent record of local subsurface geology which is available for examination by exploration companies.

Mines and Minerals Division Regional Offices

CITY	ADDRESS	PHONE	OFFICE(S)
Kenora	Box 5050, 12 Main St. S. P9N 3X9	(807) 468-3135	○
	Box 5200, 808 Robertson St. P9N 3X9	(807) 468-4505	●
	Box 5200, 808 Robertson St. P9N 3X9	(807) 468-8492	■
	860 Fourth Ave. S. P7N 2A1	(807) 468-3658	*
Red Lake	Ontario Government Building P0V 2M0	(807) 727-3272	●
	Ontario Government Building P0V 2M0	(807) 727-3284	■
Sioux Lookout	Box 3000, Court House Bldg. P0V 2T0	(807) 737-2037	●
	Box 3000, Court House Bldg. P0V 2T0	(807) 737-2034	■
Thunder Bay	435 James St. S. P7E 6E3	(807) 475-1331	●(3)
	435 James St. S. P7E 6E3	(807) 475-1311	■
	335 Euclid Ave. P7E 6G6	(807) 475-1331	*
Wawa	Box 530, Helen Mine Rd. P0S 1K0	(705) 856-4883	●
Sault Ste. Marie	875 Queen St. E. P6A 2B3	(705) 949-1231	● ■
	64 Church St. P6A 5L5	(705) 949-1231	*
Timmins	60 Wilson Ave. P4N 2S7	(705) 267-1401	○,●(2),■
	896 Riverside Dr. P4N 3W2	(705) 267-1401	*
Kirkland Lake	4 Government Rd. E. P2N 1A2	(705) 567-5242	●
	4 Government Rd. E. P2N 1A2	(705) 567-9242	■
Swastika	Box 129 P0K 1T0	(705) 642-3222	▲, *
Cobalt	Box 230, Presley St. P0J 1C0	(705) 679-8558	●
Sudbury	6th floor, 200 Brady St. P3A 5W2	(705) 675-4441	●, ■
Dorset	Box 190 P0A 1E0	(705) 766-2494	●
Tweed	Box 70, 255 Metcalf St. K0K 3J0	(613) 478-2330	●, *
Bancroft	Box 500, Highway 28 K0L 1C0	(613) 332-4875	▲, *
Toronto	1st fl., 10 Wellesley St. E. M4Y 1G2	(416) 965-1322	■
	1st fl., 10 Wellesley St. E. M4Y 1G2	(416) 965-3611	○
London	Box 5463, 659 Exeter Rd. N6A 4L6	(519) 661-2774	●

How to Select Reports and Maps

Geological reports and maps can be quickly located by reference to indexes and index maps indicating the areas covered by such publications.

ONTARIO GEOLOGICAL SURVEY INDEXES

ORDER FROM: Public Information Centre, Ontario Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3 (416) 965-1348

Please make remittance payable to: Treasurer of Ontario

Payment must accompany order.

MICROFICHE copies of all Ontario Geological Survey reports from 1891 to present are available. Price $0.50 per title. 8% sales tax applies to Ontario residents.

INDEX TO PUBLISHED REPORTS AND MAPS, 1891-1977, Miscellaneous Paper 77. Price $2.00.

A complete listing of all Ontario Geological Survey and Mineral Development and Lands Branch reports referenced by author, township, district, and N.T.S. grid.

INDEX TO PUBLISHED REPORTS AND MAPS, 1978-1986, Supplement to Miscellaneous Paper 77. Price $2.00.

INDEX TO PUBLISHED REPORTS AND MAPS, 1987, Supplement to Miscellaneous Paper 77. Price $2.00

HOW TO FIND REPORTS AND MAPS—YOUR GUIDE TO MP 77, Free.

GENERAL INDEXES TO REPORTS, 9 volumes in total. Volumes 1 to 7, $1.00 each; Volumes 8 and 9, $5.00 each.

PUBLICATIONS PRICE LIST, November 1987, Free.

INDEX TO AEROMAGNETIC MAPS OF ONTARIO, Map 2229, 1982, Free.

INDEX TO QUATERNARY GEOLOGY OF ONTARIO, 1987, Free.

INDEX TO AGGREGATE RESOURCES INVENTORY PUBLICATIONS, 1987, Free

ENGINEERING AND TERRAIN GEOLOGY MAPS at 1:100 000 scale are available for Ontario between latitudes 45° and 51°N. These maps identify terrain features in terms of landform types, materials, general topography, and surface drainage conditions. Maps are $1.00 each plus provincial sales tax.

ORDER FROM: Public Information Centre, Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3

A free index map is available from: *Engineering and Terrain Geology Section, Ontario Geological Survey, Ministry of Northern Development and Mines, 77 Grenville Street, 7th Floor, Toronto, Ontario M7A 1W4 (416) 965-1183*

MINING CLAIM MAPS by geographic township or area, identify crown land open for staking and patented land. These black and white maps may be examined at, or purchased at the address below. Maps are $1.00 plus provincial sales tax.

ORDER FROM: Titles Section, Land Management Branch, Ontario Ministry of Natural Resources, Whitney Block, 6th Floor, 99 Wellesley St. W., Toronto, Ontario M7A 1W3 (416) 965-1319

GEOLOGICAL SURVEY OF CANADA INDEXES

ORDER FROM: Publications Office, Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8 (613) 995-4342

Please make remittance payable to: Receiver General of Canada

Faire parvenir à: La Commission géologique du Canada, 601, rue Booth, Ottawa, Ontario K1A 0E8. Toutes commandes doivent être accompagnées d'un chèque payable au Receveur général du Canada.

NOTE: Prices for publications of the Geological Survey of Canada are 20% higher than those listed, when ordered from outside Canada.

INDEX TO PUBLICATIONS OF THE GEOLOGICAL SURVEY OF CANADA, 1980-1984. Price $10.00. En français, Prix $10.00.

INDEX SHEETS outlining areas of geological studies in Ontario are available free of charge from the *Geological Survey of Canada* as follows.

Index Sheet 30,40	Lat.42°-46°N	Long.75°-83°W
Index Sheet 31	Lat.44°-48°N	Long.72°-80°W
Index Sheet 32	Lat.48°-52°N	Long.72°-80°W
Index Sheet 41	Lat.44°-48°N	Long.80°-88°W
Index Sheet 42	Lat.48°-52°N	Long.80°-88°W
Index Sheet 52	Lat.48°-52°N	Long.88°-96°W
Index Sheet 43	Lat.52°-56°N	Long.80°-88°W
Index Sheet 53	Lat.52°-56°N	Long.88°-96°W

SOIL MAPS, showing soil classifications, topographic, stoniness, and rock classes, Scale 1:63 360. Free index available from *Consumer Information Centre, Ontario Ministry of Agriculture and Food, 801 Bay Street, Toronto, Ontario M7A 2B2 (416) 965-1421*

Sources of Air Photographs and Topographic Maps

AIR PHOTOGRAPHS

Air photographs are a very useful prospecting tool:

1. to locate yourself in the field
2. to locate areas of outcrop
3. to locate structural features such as faults, folds, and dikes
4. to locate areas of glacial deposits
5. to obtain an approximation of the rock types present

ORDER FROM: 1- Public Information Centre, Air Photo Unit, Ontario Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3 (416) 965-1123

This outlet sells air photos for Ontario only. Coverage is not available north of 53°N Latitude. Each photograph costs $2.60 plus a $2.00 handling charge if mailed. Ontario residents add 8% provincial sales tax.

ORDER FROM: 2- The National Air Photo Library, Department of Energy, Mines and Resources, 615 Booth Street, Ottawa, Ontario K1A 0E9 (613) 995-4560

This outlet sells air photos for all of Canada at various scales. Black and white $3.50, colour $8.50, plus provincial sales tax and a $4.00 handling charge if mailed.

Air photos may be obtained from the above sources by identifying the area of photographic coverage required by lot, concession, township, and district, or by sending in a map on which the area is clearly outlined. Indicate whether stereoscopic coverage is required. You will be advised of the cost before the photos are sent. There is considerable overlap between adjacent photographs for stereoscopic coverage. If stereoscopic coverage is not required, the number of photos can be reduced by about 50%. However, stereoscopic coverage is useful; with the aid of a stereoscope a three dimensional picture of the ground surface can be seen. Retailers sell pocket stereoscopes from $15.00 to $50.00.

TRANSPARENCIES OF MAPS

ORDER FROM: Canada Map Office, 615 Booth Street, Ottawa, Ontario K1A 0E9 (613) 952-0202

Please make remittance payable to: Receiver General of Canada.

Faire parvenir à: La Commission géologique du Canada, 601, rue Booth, Ottawa, Canada, K1A 0E8. Toutes commandes doivent être accompagnées d'un chèque payable au Receveur général du Canada.

A new product for class room use. Colour transparencies may be ordered of any map distributed by the Canada Map Office. These transparencies have a 24 X 18 cm image ideally suited for use with an overhead projector. Cost is $16.25 for the first transparency, and $8.50 for each subsequent transparency of the same map. Please add provincial sales tax. A $1.00 handling charge is applied to each order, regardless of the number of transparencies ordered.

TOPOGRAPHIC MAPS

ORDER FROM: Public Information Centre, Ontario Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3

Please make remittance payable to: Treasurer of Ontario.

Topographic maps are a prerequisite for any prospecting venture. "Topo" maps are available at the following scales:
1:250 000 (1 inch to 4 miles)—Ontario
1:50 000 (1 inch to 7/9 mile)—coverage over much of Ontario
1:25 000 (1 inch to 3/8 mile)—coverage for metropolitan areas

Each of the map sheets costs $4.00. Ontario residents add 8% provincial sales tax. Index maps for the above scales are free upon request.

In addition to the topographic maps listed above, various other maps are available:

Provincial Territorial Series, scale 1:600 000, price $2.00+tax for each of the 6 Northern Ontario map sheets and $3.00+tax for the southern Ontario Sheet.

Provincial Series, 1:126 720 and 1:100 000 scales, price $1.00+tax each. Maps exist for Ontario between 46°N and 51°N Latitude.

Ontario Basic Mapping Series, 1:10 000 and 1:20 000 scales, price $2.00+tax each. These detailed maps are available for many areas of Ontario.

LANDSAT IMAGERY

A useful reference to LANDSAT imagery in Canada (scale of prints approximates 1 inch to 16 miles) is a listing of "best quality" satellite imagery available for $3.00 as LANDSAT IMAGES OF CANADA, GSC OPEN FILE 386.

ORDER FROM: Geological Survey of Canada, 601 Booth St., Ottawa K1A 0E8

Please make remittance payable to: Receiver General of Canada.

A 35 mm slide collection of selected LANDSAT scenes covering the landmass of Canada exists. These scenes give, as much as possible, a cloud- and snow-free picture of the country. For more information on ordering the slide collection, contact: ***National Air Photo Library, Department of Energy, Mines and Resources, 615 Booth Street, Ottawa, Ontario K1A 0E9 (613) 995-4560***

For more information on ordering:
— LANDSAT IMAGERY
— LANDSAT DATA USER'S INFORMATION HANDBOOK
— DATA PRODUCTS CATALOGUE
— "RESORS" SLIDE COLLECTION

CONTACT: Canada Centre for Remote Sensing, 2464 Sheffield Road, Ottawa, Ontario K1A 0Y7 (613) 952-2717

Selected Ontario Government Maps

ORDER FROM: Public Information Centre, Ministry of Natural Resources, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3. (416) 965-6511

Please make remittance payable to: Treasurer of Ontario.

NOTE: Ontario residents add 8% provincial sales tax to total map order.

PROVINCIAL MAPS

MINES AND MINERALS DIVISION ADMINISTRATIVE AREAS AND OFFICES, Map 2505, Scale 1:1 584 000. Price $1.00 + tax.

ONTARIO MINERAL MAP, Map 2472, Scale 1:1 584 000. Price $2.00 + tax.

ONTARIO GEOLOGICAL MAP, Scale 1:1 013 760. Price $1.00 per sheet + tax.

- Map 2391 - Explanatory Text
- Map 2392 - Southern Sheet
- Map 2393 - Central Sheet
- Map 2394 - West Central Sheet
- Map 2395 - Northeast Sheet
- Map 2396 - Northwest Sheet

GEOLOGICAL HIGHWAY MAP, SOUTHERN ONTARIO, Map 2441, Scale 1:800 000. Out of Print.

GEOLOGICAL HIGHWAY MAP, NORTHERN ONTARIO, Map 2506, Scale 1:1 600 000. Price $2.00 + tax.

BEDROCK GEOLOGY MAPS

ABITIBI SUBPROVINCE LITHOSTRATIGRAPHIC MAP, Map 2484. Price $6.00 + tax.

BURNTBUSH-DETOUR LAKES AREA, Map 2453, Scale 1:100 000. Price $1.00 + tax.

BURWASH AREA, Map 2271, Scale 1:126 720. Price $0.50 + tax.

COBALT SILVER AREA, Scale 1:12 000. Price $0.50 per sheet + tax.

- Map 2050 - Northern Sheet
- Map 2051 - Southwestern Sheet
- Map 2052 - Southeastern Sheet

CONFEDERATION LAKE AREA, Map 2498, Scale 1:31 680. Price $1.00 + tax.

HEMLO AREA, Map 2452, Scale 1:31 680. Price $1.00 + tax.

LEEDS COUNTY, Map 31c, Scale 1:126 720. Price $0.50 + tax.

KINGSTON AREA, Map P.2611, Scale 1:125 000. Price $2.00 + tax.

NORTH BAY AREA, Map 2216, Scale 1:126 720. Price $0.50 + tax.

PEMBROKE MAP 2459, COBDEN MAP 2460, BARRY'S BAY MAP 2461, RENFREW MAP 2462, set only, Scale 1:100 000. Price $4.00 + tax.

SUDBURY GEOLOGICAL COMPILATION, Map 2491, Scale 1:50 000. Price $2.00 + tax.

SUDBURY-MANITOULIN AREA, Map 2360, Scale 1:126 720. Price $0.50 + tax.

TIMMINS AREA, Map 2455, Scale 1:50 000. Price $1.00 + tax.

MINERAL DEPOSIT MAPS

Scale 1:1 013 760. Price $0.50 per sheet + tax.

Gold Deposits, Maps P.1226-P.1229 (4 sheets).

Iron Deposits, Maps P.1040-P.1044 (4 sheets).

Molybdenum Deposits, Maps P.1244-P.1247 (4 sheets).

Nickel Deposits, Maps P.1060-P.1064 (4 sheets). P.1064 Out of Print.

Uranium and Thorium Deposits, Maps P.2424-P.2427 (4 sheets).

Vein Silver Deposits, Maps P.2298-P.2301 (4 sheets).

SURFICIAL GEOLOGY MAPS

PHYSIOGRAPHY OF GEORGIAN BAY-OTTAWA VALLEY AREA, Scale 1:253 440. GR 128 (Report & map) Price $1.75 (Map 2228 separately, $1.00).

PHYSIOGRAPHY OF SOUTHERN ONTARIO, Maps 2224, 2225, 2226, and 2227, Scale 1:253 440. Available as a set only. Price $10.00 + tax.

PHYSIOGRAPHY OF SOUTHERN ONTARIO, Map P.2715, Scale 1:600 000. Price $1.00 + tax.

SURFICIAL GEOLOGY OF NORTHERN ONTARIO, Map 2518, Scale 1:1 200 000. Price $2.00 + tax.

NORTHERN ONTARIO SURFICIAL (PLEISTOCENE GEOLOGY) MAPS, Scale 1:506 880. Covering the area north of Lake Nipissing to latitude 51°N.

- KENORA AND RAINY RIVER, Map S-165. Price $2.00 + tax.
- THUNDER BAY, Map S-265. Price $2.00 + tax.
- ALGOMA-COCHRANE, Map S-365. Price $2.00 + tax.
- ALGOMA-SUDBURY-TIMISKAMING-NIPISSING, Map S-465. Price $2.00 + tax.

QUATERNARY GEOLOGY–BANCROFT AREA, Map 2500, Scale 1:50 000. Price $1.00 + tax.

QUATERNARY GEOLOGY–HAMILTON AREA, Map 2509, Scale 1:50 000. Price $1.00 + tax.

QUATERNARY GEOLOGY–NIAGARA-WELLAND, Map 2496, Scale 1:50 000. Price $1.00 + tax.

QUATERNARY GEOLOGY–TORONTO AND SURROUNDING AREA, Map P.2204, Scale 1:100 000. Price $1.00 + tax.

GEOPHYSICAL/GEOCHEMICAL MAPS

AEROMAGNETIC MAPS OF CARBONATITE-ALKALIC COMPLEXES, Map P.452. Price $0.50 + tax.

OIL AND GAS MAPS

OIL AND GAS POOLS AND PIPELINES OF SOUTHWESTERN ONTARIO, 1982, Map P.2499. Price $1.50 + tax.

Northern Ontario Index To Geological Series

Map 2161 - $0.75
Map 2166 - $0.75
Map 2171 - $0.75
Map 2177 - $0.75
Map 2178 - $1.00
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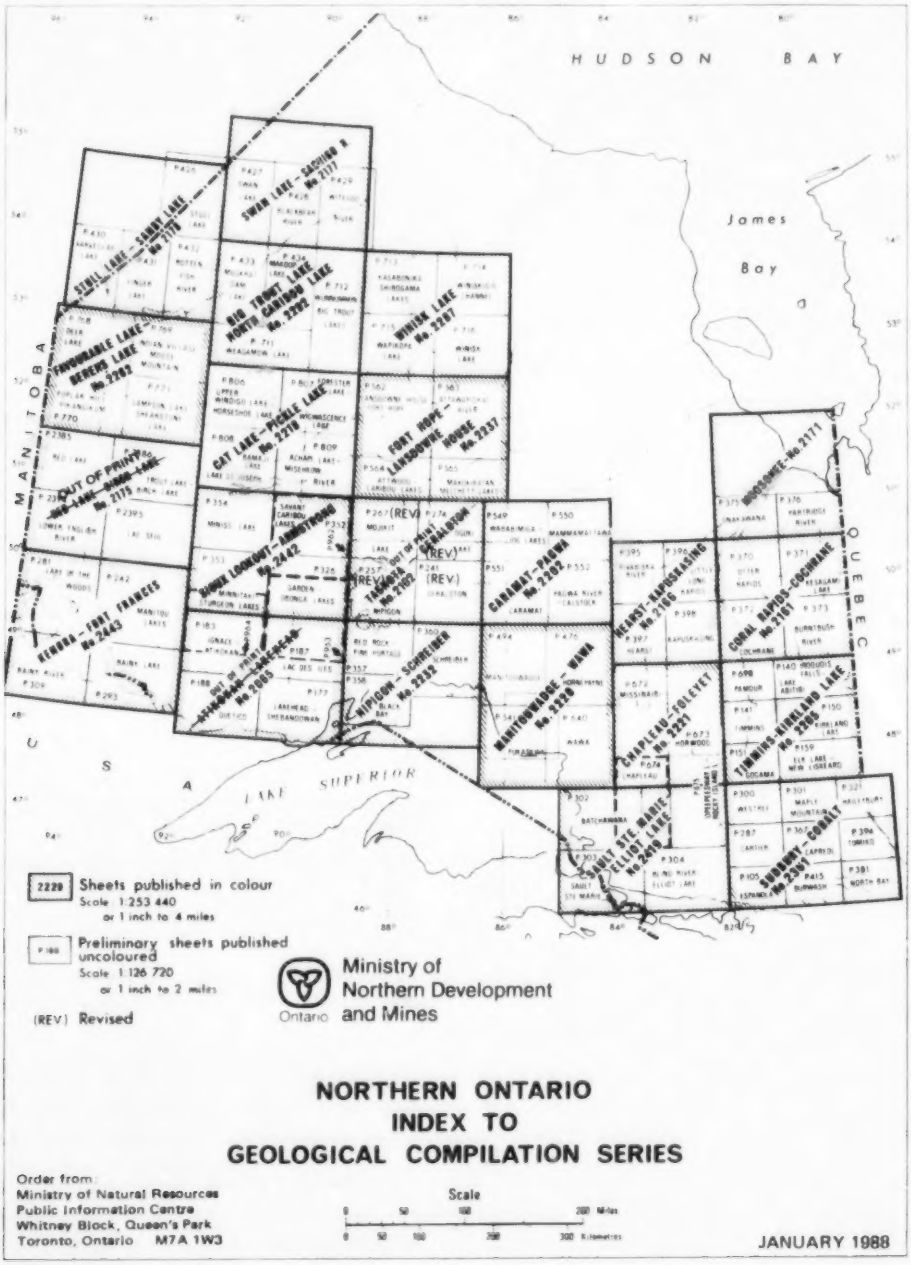
Map 2443 - $1.00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James Bay
MANITOBA
ONTARIO
QUEBEC
U S A
LAKE SUPERIOR
SWAN LAKE - SACHIGO R. No. 2177
STILL LAKE - SABAY LAKE No. 2175
BIG TROUT LAKE NORTH CARIBOU LAKE No. 2292
WHISK LAKE No. 2201
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CAT LAKE - PICKLE LAKE No. 2216
FORT HOPE - LANSDOWNE HOUSE No. 2237
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SUNSET LAKE - No. 2175
SUNSET LAKE - SHOAL LAKE
SUNSET LAKE - SHOAL LAKE
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Selected Geological Survey of Canada Maps

ORDER FROM: Publications Office, Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8.
(613) 995-4342

Please make remittance payable to: Receiver General of Canada.

Note: Ontario residents add 8% provincial sales tax to total map order.

Faire parvenir à: La Commission géologique du Canada, 601, rue Booth, Ottawa, Canada, K1A 0E8. Toutes commandes doivent être accompagnées d'un chèque payable au Receveur général du Canada. Taxe de vente provinciale en sus.

CANADIAN MAPS

PRINCIPAL MINERAL AREAS OF CANADA, Map 900A, (revised yearly), Scale 1:7 603 200 or 1 inch to 120 miles, (published in English and French). One copy free of charge to residents of Canada. Extra copies: $7.50.

SYSTEMATIC REGIONAL INVESTIGATIONS BY THE GEOLOGICAL SURVEY OF CANADA/ÉTUDES RÉGIONALES SYSTÉMATIQUES PAR LA COMMISSION GÉOLGIQUE DU CANADA, Map 1580A. Free.

PHYSIOGRAPHIC REGIONS OF CANADA, Map 1254A, Scale 1:5 000 000. Price $7.50.

GEOLOGICAL MAP OF CANADA, Map 1250A, Scale 1:5 000 000. Price $7.50.

BEDROCK GEOLOGY MAPS

GEOLOGY OF EASTERN CANADA AND ADJACENT AREAS, (a set of 4 maps), Map 1401A, Scale 1:2 000 000. Price $10.00.

GEOLOGY SOUTHERN ONTARIO-QUEBEC, Map 1335A, Scale 1:1 000 000. Price $5.00.

GEOLOGY RIVIERE GATINEAU, QUEBEC-ONTARIO, Map 1334A, Scale 1:1 000 000. Price $5.00.

GEOLOGY OF OTTAWA-CORNWALL AREA, Map 852A, Scale 1:253 440. Price $4.00.

GEOLOGY OF BRUCE PENINSULA AREA, Map 1194A, Scale 1:253 440. Price $4.00.

GEOLOGY OF LAKE SIMCOE AREA, Map 1228A, Scale 1:253 440. Price $4.00.

GEOLOGY OF TORONTO-WINDSOR AREA, Map 1263A, Scale 1:250 000. Price $4.00.

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THE STUDY OF MINERALS AND ROCKS: PRACTICAL GEOLOGY AND MINERALOGY FOR PROSPECTORS, Seventh Edition, 1967, by E.M. Burwash, Miscellaneous Paper 12. Price $0.25.

A CATALOGUE OF THE ONTARIO LOCALITIES REPRESENTED BY THE MINERAL COLLECTION OF THE ROYAL ONTARIO MUSEUM, 1977, by J. Satterly, Miscellaneous Paper 70. Price $5.00.

MINERAL EXPLORATION TOPICS, 1973, by S.A. Ferguson *et al.*, Miscellaneous Paper 55. Price $1.00.

HARVEST FROM THE ROCK, A HISTORY OF MINING IN ONTARIO, 1986, by Philip Smith, Published by Macmillan of Canada with the cooperation of the Ministry of Northern Development and Mines. Price $32.95.

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THE GEOLOGY AND ORE DEPOSITS OF THE SUDBURY STRUCTURE, 1984, edited by E.G. Pye, A.J. Naldrett, and P.E. Giblin, Special Volume 1. Accompanied by Map 2491. Price $30.00.

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CATALOGUE OF CANADIAN MINERALS, by R.J. Traill, Paper 80-18. Price $10.00.

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J-24, MODERN USES OF LEAD IN THE INDUSTRIAL AND ARCHITECTURAL CONSTRUCTION INDUSTRY.

Brochures and Films — Industrial Commodities

AGGREGATE

See also listing top of page 15.

Aggregate Producers Association of Ontario, c/o Robert Cook, 325 Eddystone Avenue, Downsview, Ontario M3N 1H8

THE SENSIBLE SEQUENCE, 16 mm colour movie, available for loan on request.

REHABILITATION, brochure.

SCREEN PLANTINGS FOR PITS AND QUARRIES, brochure

AGGREGATE INDUSTRY FACT SHEET

Information on the rehabilitation of aggregate properties is available on request.

Nelson Aggregate Co., P.O. Box 1070, Station B, Burlington, Ontario L7P 3S9. Attention: Mr. G. Goodchild

Group tours to observe the rehabilitation, production, and geological aspects of the quarry may be arranged upon request for senior secondary school or adult groups.

ASBESTOS

J.M. Asbestos Inc., Asbestos, Quebec J1T 3N2. Attention: Mr. George Olney

THE JEFFREY MINE OF JOHNS-MANVILLE AND ITS GEOLOGY, brochure (English or French).

ENVIRONMENT-ENVIRONMENTAL CONTROL IN THE ASBESTOS INDUSTRY OF QUEBEC, brochure (English or French).

ASBESTOS, THE INDISPENSABLE MINERAL, 16 mm movie, available for loan on request (English or French).

Cassiar Mining Corporation Ltd., Suite 2000, Guinness Tower, 1055 West Hastings Street, Vancouver, B.C. V6E 3V3. Attention: P.C. Jones, Executive Vice President

Technical information available to teachers and senior students upon request.

COAL

The Coal Association of Canada, Suite 301, 1000 8th Avenue, S.W., Calgary, Alberta T2P 3M7

COAL IN CANADA, brochure.

REVIEW & DIRECTORY, brochure.

COAL FOCUS, monthly newsletter.

PROCEEDINGS OF THE 36th CANADIAN CONFERENCE ON COAL, booklet.

YEAR IN REVIEW, pamphlet.

Fording Coal Limited, Public Relations, 200-205 Ninth Ave. S.E., Calgary, Alberta T2G 0R4

ENERGY FOR THE FUTURE, brochure.

Ontario Hydro, Public Relations 19th Floor, 700 University Avenue, Toronto, Ontario M5G 1X6

Information is available on coal as a fuel for thermal generating stations.

DIAMOND

Diamond Information Centre, 160 Bloor Street East, 8th Floor, Toronto, Ontario M4W 3P7. Attention: Shelley Bird

YOUR GUIDE TO DIAMONDS, bilingual brochure.

The following are available to teachers, senior students and adults only.

DIAMOND WALL CHART.

MAGIC OF DIAMONDS, 1/2" VHS, available for loan.

FLUORITE (FLUORSPAR)

Noranda Mines Limited, P.O. Box 45, Commerce Court West, Toronto, Ontario M5L 1B6. Attention: Public Relations Department

LAS CUEVAS, brochure (English or Spanish).

GYPSUM

Domtar Construction Materials, 3380 Airway Drive, Malton, Ontario L4V 1N7. Attention: Marketing Department

General information available on request.

NEPHELINE SYENITE AND SILICA

Indusmin Division of Falconbridge Limited, 365 Bloor Street, East, Suite 200, Toronto, Ontario M4W 3L4

CORPORATE BROCHURE

Specific specialized information and technical data is available to teachers and senior students.

PETROLEUM AND NATURAL GAS

Petroleum Association for Conservation of the Canadian Environment, 1202-275 Slater Street, Ottawa, Ontario K1P 5H9

WORKING FOR A BETTER ENVIRONMENT, bilingual brochure.

Technical information, video tapes, and films available to teachers and senior students upon request.

Business Information Centre, Imperial Oil Limited, Room 837, 111 St. Clair Avenue, West, Toronto, Ontario M3B 1Z2

THE REVIEW, quarterly newsletter (English and French).

ANNUAL REPORT, (English and French).

FILM CATALOGUE, (English and French).

OIL & GAS, (English and French).

The Canadian Gas Association, 55 Scarsdale Road, Don Mills, Ontario M3B 2R3. Attn: Mr. F.H. Ellins, Manager Public Relations

MEETING THE ENERGY CHALLENGE, video tape and booklet, available on loan.

THE TURNING POINT, story of the natural gas industry in Canada, 26 minute, 16 mm colour movie, available on loan.

ENERGY IN ABUNDANCE, booklet detailing the value of natural gas to the Canadian Economy and the consumer, available on request. Approval Services 15 minute video.

NATURAL GAS STORY, a four-part kit available from offices of Consumers Gas Co., Union Gas Ltd., and Northern and Central Gas Corporation, for teachers and senior secondary students.

THE MEANING OF NATURAL GAS, brochure.

ENERGY IN ABUNDANCE, brochure (English and French).

FUELING CANADA'S ECONOMY, brochure.

GUIDE TO NATURAL GAS UTILITY RATEMAKING, brochure.

PORTLAND CEMENT

Canada Cement Lafarge Limited, 240 Duncanmill Road, Don Mills, Ontario M3B 3H4

DESIGN AND CONTROL OF CONCRETE MIXTURES, brochure (teachers only).

Canada Cement Lafarge Ltd., 606 Cathcart St., Suite 800, Montreal, Quebec H3B 1L7. Attention: Mrs. Jane Hainsworth

SPECIFY AND USE CIMENT FONDU, brochure (teachers only, English or French).

EARLY STRENGTH IN CONCRETE, brochure (teachers only, English or French).

GUIDE TO USE OF "CEMENT-LAFARGE" MASONRY CEMENT, brochure (teachers only, English or French).

KALICRETE CEMENT FOR DURABLE CONCRETE IN ALKALI SOILS, brochure (teachers only).

NORMAL PORTLAND CEMENT—No.1 IN CANADA, brochure.

Lake Ontario Cement Limited, 16th Floor, 2 Carlton Street, Toronto, Ontario M5B 1J6. Attention: Mr. J.D. Whiting

Specific inquiries concerning the cement industry will gladly be answered.

POTASH

Cominco Ltd., Public Relations, 2400-200 Granville Street, Vancouver, B.C. V6C 2R2

COMINCO'S POTASH OPERATIONS, brochure.

SALT

Domtar Chemicals Group, Sifto Salt Division, 1136 Matheson Blvd., Mississauga, Ontario L4Y 3W6

L'UNIVERS MERVEILLEUX DU SEL, brochure.

OUR WORLD OF SALT, brochure.

SALT MINING IN GODERICH, brochure.

SAND AND GRAVEL

See AGGREGATE.

Ontario Mineral and Lapidary Dealers

This list has been compiled primarily from information supplied by the Geological Survey of Canada, Ottawa. The numbers indicate the type of material supplied by the dealers.

1. Rough mineral and/or rock specimens
2. Mineral and/or rock sets
3. Minerals and/or rocks suitable for lapidary work
4. Lapidary equipment and supplies
5. Tools for the prospector or collector (eg., picks, chisels, streak plates, hand lenses)
6. Catalogues or price lists
7. Jewellery
8. Locality information; guided field trips

Northern Gems, P.O. Box 502, **Balmertown** P0V 1C0. (807) 735-2333.

[1, 3, 6, 7, 8]

Princess Sodalite Mine, P.O. Box 84, **Bancroft** K0L 1C0. (613) 332-3337.

[1, 2, 3, 4, 5, 7, 8]

Winnie's Treasure Shop, 26 Hastings Street N., **Bancroft** K0L 1C0. (613) 332-3872.

[1, 2, 3, 4, 5, 7]

John & Phil's Rock Hut, R.R. No.4, Highway 29, **Brockville** K6V 5T4. (613) 342-6524.

[3, 7]

The Rock Centre, R.R. 4, Airport Road, **Brockville** K6V 5T4. (613) 342-4227.

[1, 2, 3, 4, 7]

Exploration Enterprises, 4150 South Senure Road, **Burlington** L7K 4X5. (416) 634-0049.

[1, 3, 4, 5, 7]

J.B.A. Company, Box 22, R.R. No.1, **Caledon** L0N 1C0. (519) 941-6600.

[1, 2, 3, 6, 7]

The Opal Showcase, P.O. Box 149, **Casselman** K0A 1M0. (613) 764-5742.

[3, 7, Australian Opals]

Jacan Craft of Salem, Lapidary Studio, P.O. Box 537, **Colborne** K0K 1S0. (416) 355-3396.

[1, 2, 3, 4, 7, 8]

Poly Joe's Studio, 3370 Bruce Street, **Cornwall** K6K 1M6. (613) 938-0358.

[1, 2, 7]

Grand Gem Rock Shop, R.R. No.5, No.3 Hwy. W., **Dunnville** N1A 2W4. (416) 774-3114.

[3, 4, 7, soapstone carvings]

Hawthorne, R.R. No.1, **Eldorado** K0K 1Y0. (613) 473-4325.

[1, 3, 5, 8]

Libra Gems, 51 St. David Street, **Goderich** N7A 1L4. (519) 524-9972.

[1, 3, 4, 6, 7]

Maral Lapidary Supplies, Silver and Goldsmith Supplies, Rock and Gem Shop, 137 Kenilworth Avenue N., **Hamilton** L8H 4R7. (416) 547-5554.

[1, 3, 4, 5, metal detectors]

Ontario Crafts and Minerals, General Delivery, **Inverary** K0H 1X0. (613) 353-6170.

[1, 3, 7, 8]

Grenville Minerals, P.O. Box 453, **Kingston** K7L 4W5. (613) 545-3809.

[1, 2, 3, 4, 5, 6, 7, 8]

Canadian Gems and Minerals Ltd., Drawer 834, Kirkland Lake P2N 3K4. (705) 567-5732.

[1, 3, 5]

Rock of Ages Lapidary & Crafts, 10473 Islington Avenue, **Kleinburg** L0J 1C0. (416) 893-1022.

[1, 2, 3, 4, 6, 7]

Geo-Craft, P.O. Box 71, **Little Current** P0P 1K0. (705) 368-3443.

[2, 7, 8, fossils]

Denis Thorn, Lapidary & Silversmith, 505 Dundas Street, **London** N6B 1W4. (519) 679-8909.

[3, 4, 5, 6, 8]

Arbor Scientific Ltd., 1840 Mattawa Avenue, **Mississauga** L4X 1K1. (416) 279-4482.

Ward's Natural Science Ltd., 1840 Mattawa Avenue, **Mississauga** L4X 1K1. (416) 279-4486.

[1, 2, 3, 4, 5, 6]

Canada Beading Supply, P.O. Box 5527, Station F, **Ottawa** K2C 3M1. (613) 225-6926.

[1, 6, 7, semi-precious beads, findings]

Elkhorst Instrument Systems, Div. of Beese Enterprises Ltd., P.O. Box 925, **Nobleton** L0G 1N0. (416) 495-1429.

[4, 6]

Simkev Minerals, 942 Chevrolet Street, **Oshawa** L1G 4H8. (416) 728-4727.

[1, 6]

McDougall's Rock Shop, R.R. No.6, **Owen Sound** N4K 5N8. (519) 376-1699.

[1, 2, 3, 4, 5, 7]

Hauser's Lapidary, 947 Bricker Street, Box 552, **Port Elgin** N0H 2C0. (519) 832-2795.

[1, 7]

Wal-Gem Lapidary, P.O. Box 49, **Quadeville** K0J 2G0. (613) 758-2805.

[1, 2, 3, 7, 8, rose quartz, rare earth minerals]

J.D. Wolchuk, Cambrian Gemcraft, 990 Beverly Drive, **Sudbury** P3E 4B5. (705) 522-1406.

[1, 3, 6, mail order]

Castagne's Rocks & Minerals, Box 2594, Station P, **Thunder Bay** P7B 5G1. (807) 983-2047.

[1, 2, 3, 4, 7, 8, amethyst specimens and jewellery]

Don-Art Crafts, 500 North May Street, **Thunder Bay** P7C 3R6. (807) 623-3142.

[1, 3, 4, 7, 8, amethyst]

Pearl Lake Amethyst Mines Inc., Box 2594, **Thunder Bay** P7B 5G1. (807) 983-2347.

Precious Purple Gemstones Ltd.,, P.O. Box 832, **Thunder Bay** P7C 4X7. (807) 622-6908.

[1, 3, 7, 8, amethyst]

Dwyer Mine Rock Shop, c/o The Abletts, P.O. Box 154, **Wilberforce** K0L 3C0. (705) 448-2237.

[1, 2, 8, Educational Mineral Sets]

Dealers in Toronto and Vicinity

Aquarius Jewellery, 13 Beatty Road, **Ajax** L1S 1Y6. (416) 683-6780.

[3, 7, Afghanistan lapiz & turquoise]

The W. Donald Goodger Company, c/o Donald Goodger F.C. Gm.A, 30 Evermede Drive, **Don Mills** M3A 2S3. (416) 444-5745.

[3, 4, 5, 7] By appointment only.

Geomania, Holt Renfrew Centre, Concourse Level, 50 Bloor Street West, **Toronto** M4W 1A1. (416) 920-1420.

International Crystals & Minerals, 49 Overton Crescent, **Don Mills** M3B 2V4. (416) 444-4886.

[3, 6, 7, crystal specimens, mineral calendar]

Optex Corporation/Tasco, 52 Lesmill Road, **Don Mills** M3B 2T5. (416) 449-6470.

[microscopes]

Blue Velvet Creations, P.O. Box 127, **Downsview** M3M 3A3. (416) 636-7639.

[1, 3, 7]

K.P.D. Lapidary Supplies, 41 Maple Avenue, No.3, **Richmond Hill** L4C 6P4. (416) 881-8682.

[1, 2, 3, 4, 7, 8, 9]

The Amulet, 1541 Kingston Rd., **Scarborough** M1N 1R9. (416) 691-7641.

[6, 7]

The Grotto, 2620 Eglinton Ave. E., **Scarborough** M1K 2S3. (416) 261-5419.

[1, 2, 3, 4, 5, 7]

Microview Canada, 2 Essex Avenue, Unit 9B, **Thornhill** L3T 3Y8. (416) 731-7333.

[5, microscopes]

Fashion Gem Imports, 229 Yonge Street, Suite 215, **Toronto** M5B 1N9. (416) 363-3663.

[3, 7]

Langridge-Marshall, Division of Northern Miner Press Ltd., 7 Labatt Avenue, **Toronto** M5A 3P2. (416) 366-1168.

[5, 6]

The Nautilus Arts & Crafts Inc., 6075 Kingston Road, **West Hill** M1C 1K5. (416) 284-1171.

[1, 3, 4, 5, 6, 7, 8]

Warren F. Boyd, B.Sc. F.G.A., c/o R.T. Boyd Limited, P.O. Box 458, Station A, **Willowdale** M2N 5T1. (416) 221-8864.

[1, 3, 6, Australian opals, emeralds, rubies, sapphires and all genuine gemstones]

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[7]

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Hamilton, Ontario L8V 4S7

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Canadian Micro Mineral Association
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SUDBURY P3A 2G5

Walker Mineralogical Club
c/o Royal Ontario Museum
100 Queen's Park
TORONTO M5S 2C6
Telephone: 586-5821

Willowdale Gem and Mineral Club
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Telephone: 221-9583

Other Clubs

Quinte Gem and Mineral Club
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125 Victoria Avenue
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